

CLAIMS:

1. A lamp (1, 11, 14, 17) for a vehicle headlight
 - with a bulb (3) surrounding a light source (4),
 - with a lamp base (2) arranged at an end of the bulb (3) for supporting the lamp (1, 11, 14, 17) within a reflector (20) of the headlight,
 - 5 - and with at least one lens structure (6, 12, 15, 18) present in or at an upper side (O) and/or lower side (U) of the bulb (3), which structure is arranged such that at least a portion of the light radiated by the light source (4) in the direction of a region of the reflector (20) close to the lamp base is redirected into a reflector region lying farther to the front.
- 10 2. A lamp as claimed in claim 1, characterized in that the lens structure (15, 18) comprises a concave lens (16, 19).
3. A lamp as claimed in claim 1 or 2, characterized in that the lens structure (6, 12) comprises a prism (7, 13).
- 15 4. A lamp as claimed in claim 3, characterized in that the lens structure (6) comprises an array of prisms.
5. A lamp as claimed in any one of the claims 1 to 4, characterized in that the
20 lens structure (6, 12, 15, 18) comprises at least an outer boundary surface (8) arranged at the upper side (O) or lower side (U) of the bulb (3) and directed obliquely to the rear in the direction of the lamp base (2).
6. A lamp as claimed in any one of the claims 1 to 5, characterized in that the
25 lens structure (6, 12, 15, 18), as viewed from the light source (4), is positioned essentially in a region of the bulb (3) at the lamp base side.
7. A lamp as claimed in claims 1 to 6, characterized in that the lens structure (6, 12, 15) extends from a rear end (9) of the bulb (3) at the lamp base side along a longitudinal

bulb axis (L) in the direction of a front end (10) of the bulb (3) at least up to a central region of the light source (4).

8. A lamp as claimed in any one of the claims 1 to 7, characterized in that the
5 lens structure (6, 12, 15, 18) is at least partly integral with the bulb.

9. A lamp as claimed in any one of the claims 1 to 8, characterized in that the
lamp (1, 11, 14, 17) comprises a filament (4) as its light source (4).

10 10. A lamp as claimed in any one of the claims 1 to 9, characterized in that the
lamp comprises a discharge arc as its light source.

11. A lamp as claimed in any one of the claims 1 to 10, characterized in that the
lamp comprises a plurality of light sources, the lens structure being arranged such that at least
15 a portion of the light radiated by one of the light sources in the direction of the region of the
reflector close to the lamp base is redirected into a region of the reflector lying farther to the
front.

12. A lamp as claimed in any one of the claims 1 to 11, characterized in that the
20 lamp (1, 11, 14, 17) has a low-beam function.

13. A motor vehicle headlight with a reflector (20) and a lamp (1, 11, 14, 17)
arranged therein as claimed in any one of the claims 1 to 12.